

1    **WHAT IS CLAIMED IS:**

2           1. A method for manufacturing a golf club head, the method comprising  
3   the following steps:

4           a. integrally forming the body comprising a base and a face of metal in a  
5   casting molding process and forming a tubular neck of metal on the body by a  
6   forging process such that a cavity is defined between the base and the face;

7           b. spraying aluminum oxide sand onto an inner surface of the cavity and  
8   an outer edge around the cavity to increase a surface roughness of the body;

9           c. attaching a cover formed from multiple carbon-fiber layers to the body  
10   to cover the cavity; and

11          d. attaching the cover to the body in a hot-pressing mold process such  
12   that a golf club head with a carbon-fiber cover is made.

13          2. The method for manufacturing a golf club head as claimed in claim 1  
14   further comprising a step of a thermal treatment to the body after the body is  
15   formed.

16          3. The method for manufacturing a golf club head as claimed in claim 2  
17   further comprising a step of grinding the body after the thermal treatment  
18   process to form the body to a desired shape and size.

19          4. The method for manufacturing a golf club head as claimed in claim 1,  
20   wherein at least one bore is defined in the cover to receive a weighted plug.

21          5. The method for manufacturing a golf club head as claimed in claim 1,  
22   wherein a countersunk through hole is defined in the base after the body is  
23   formed;

24          the through hole is tapped; and



1           a plug with a threaded shaft is screwed into the threaded hole.

2           6. The method for manufacturing a golf club head as claimed in claim 5,  
3   wherein an air bag is inserted into the body with the cover through the threaded  
4   hole before the hot-pressing mold process is processed;

5           the air bag is inflated and expands to press against the inner surface of  
6   the cover and the body during the hot-pressing mold process to form the cover  
7   into a desired shape;

8           the air bag is taken out of the body after the cover has hardened; and

9           the threaded plug is screwed into the threaded hole in the base.

10          7. The method for manufacturing a golf club head as claimed in claim 1  
11   further comprising a step of fine grinding to increase the smooth of a surface of  
12   the golf club head.

13          8. The method for manufacturing a golf club head as claimed in claim 7  
14   further comprising a step of applying a lacquer coating to an outer surface of the  
15   gold club head to provide a protective coating on the golf club head.

16          9. The method for manufacturing a golf club head as claimed in claim 1,  
17   wherein a lip is formed on an edge of the body to connect to the cover.